Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] What is claimed is:

1.An image capturing apparatus with laser-framing viewfinder and laser pointer functions, the image capturing apparatus comprising:

a housing;

a laser source installed inside the housing for generating a laser beam;

a first lens set installed inside the housing for diverging the laser beam;

a reflector installed inside the housing in a rotatable manner for reflecting the laser beam from the first lens set;

a second lens set installed inside the housing for diverging the laser beam reflected by the reflector;

a framing mask for masking the laser beam diverged by the second lens set to form a laser-framing viewfinder;

a third lens set installed on the housing for focusing the laser beam from the first lens set; and

a camera lens installed on the housing for capturing an object in the laser-framing viewfinder;

wherein when the reflector rotates to a first position,the reflector is capable of reflecting the laser beam from the

first lens set, the second lens set is capable of diverging the laser beam reflected by the reflector, and the framing mask is capable of masking the laser beam diverged by the second lens set to form the laser-framing viewfinder, and when the reflector rotates to a second position, the third lens set is capable of focusing the laser beam from the first lens set.

[c2] 2.The image capturing apparatus of claim 1, wherein the reflector is a plane mirror.

[c3] 3.The image capturing apparatus of claim 1, wherein the housing comprises a main body and a sliding set installed on the main body, and the laser source is installed inside the main body, and the first lens set and the second lens set are installed inside the sliding set.

[c4] 4.The image capturing apparatus of claim 3, further comprising two optical viewfinders installed on the main body for receiving light to view the object being image captured.

[c5] 5.The image capturing apparatus of claim 4, further comprising a fourth lens set installed on the sliding set, wherein the fourth lens set slides to a position between the two optical viewfinders with the sliding set.

[c6] 6.The image capturing apparatus of claim 5, wherein the

fourth lens set comprises a plano-concave lens and a convexo-concave lens.

[c7] 7.The image capturing apparatus of claim 1, wherein the framing mask comprises shading material.

[c8] 8.The image capturing apparatus of claim 1, further comprising a connecting port for outputting image data.

[c9] The image capturing apparatus of claim 8, wherein the connecting port conforms to the USB or the IEEE1394 standards.